

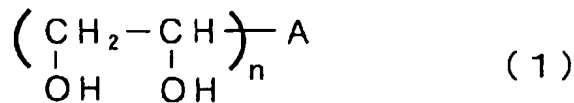
Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1. (Currently Amended) A copper electrolytic solution containing as an additive a compound having a specific skeleton represented by ~~General Formula~~formula (1) below, which is obtained by an addition reaction in which water is added to a compound having in a molecule at least one epoxy group:

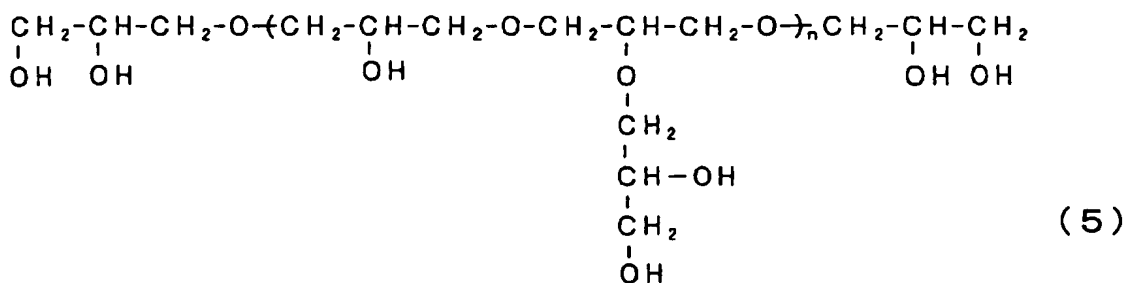
~~{Chemical Formula 1}~~



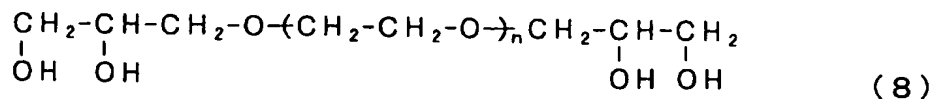
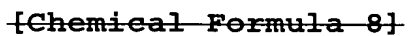
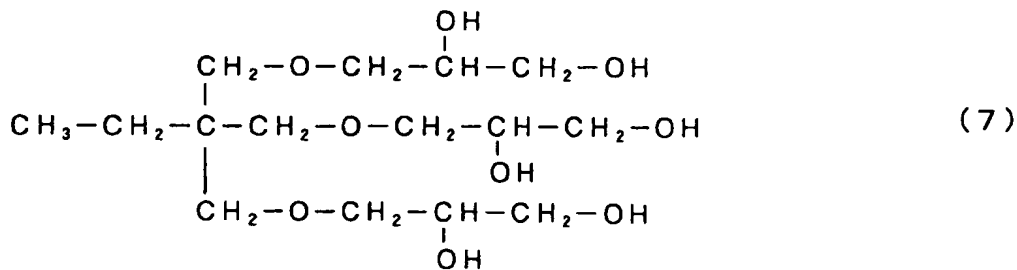
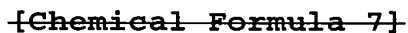
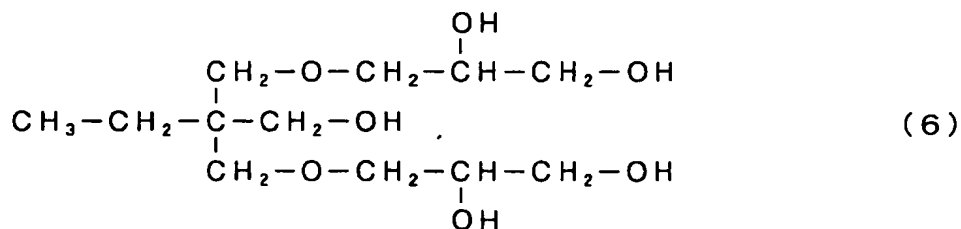
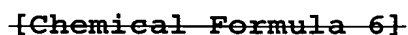
wherein A is an epoxy compound residue and n is an integer 1 or more.

2. (Original) The copper electrolytic solution according to Claim 1, wherein the epoxy compound residue A of said compound having the specific skeleton has a linear ether bond.

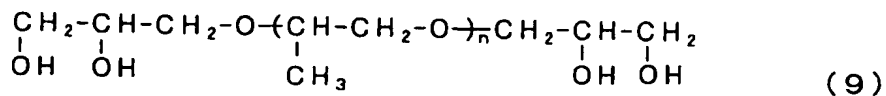
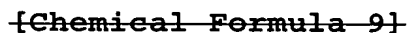
3. (Currently Amended) The copper electrolytic solution according to Claim 1, wherein said compound having a specific skeleton includes any of compounds represented by ~~chemical formulae~~ (2) through (9) ~~below~~below:



wherein n is an integer of 1 to ~~5~~5;



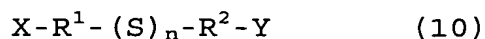
wherein n is an integer of 1 to ~~22~~22; and



wherein n is an integer of 1 to 3.

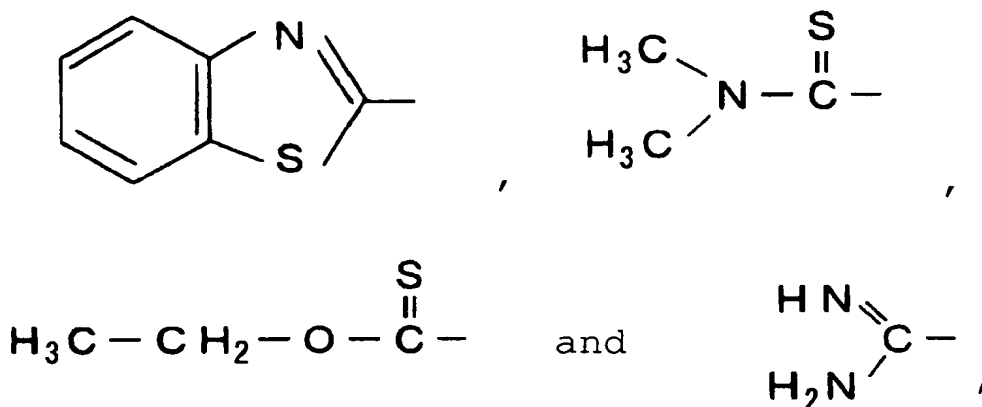
4. (Previously Presented) A copper electrolytic solution according to Claim 1, wherein said copper electrolytic solution contains an organic sulfur compound.

5. (Currently Amended) The copper electrolytic solution according to Claim 4, wherein said organic sulfur compound is a compound represented by ~~General Formula~~formula (10) or (11) below:



wherein in formulae (10) and (11), R^1 , R^2 and R^3 are alkylene groups with 1 through 8 carbon atoms, R^4 is selected from the group consisting of hydrogen and

~~{Chemical Formula 10}~~



X is selected from the group consisting of hydrogen, a sulfonic acid group, a phosphonic acid ~~group, group~~ and an alkali metal salt group or ammonium salt group of sulfonic acid or phosphonic acid, Y is selected from the group consisting of a sulfonic acid group, a phosphonic acid ~~group, group~~ and an alkali metal salt group of sulfonic acid or phosphonic acid, Z ~~indicates~~is hydrogen or an alkali metal, and n is 2 or 3.

6.-9. (Canceled)